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NO. 7921 P. 1/7

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DATE: September 14, 2005

PTO IDENTIFIER: Application Number 10/526955

Patent Number

Inventor: Aurelie Falcou et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (571) 273-8300

FROM: CONNOLLY BOVE LODGE & HUTZ LLP

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Attorney Dkt. #: 09931-00037-US

PAGES (Including Cover Sheet): 7

CONTENTS: Transmittal Of Translation Of International Preliminary Examination Report
Translation Of International Preliminary Examination Report
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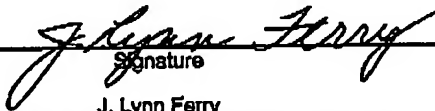
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Transmittal Of Translation Of International Preliminary Examination
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Translation Of International Preliminary Examination Report

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NO. 7921 P. 3/7

Application No.: 10/526955

Docket No.: 09931-00037-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Aurelie Falcou et al.

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SEP 14 2005

Application No.: 10/526955

Confirmation No.: @@@

Filed: March 7, 2005

Art Unit: N/A

For: METHOD FOR THE PRODUCTION OF
ARYL-ARYL COUPLED COMPOUNDS

Examiner: Not Yet Assigned

**TRANSMITTAL OF TRANSLATION OF INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

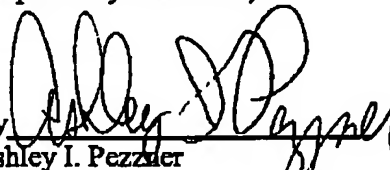
Dear Sir:

Applicant submits herewith a translation of the International Preliminary Examination Report ("IPER") issued in the corresponding international application. The International Preliminary Examining Authority has deemed that claims 1-18 have novelty, inventive step and industrial applicability.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 03-2775, under Order No. 09931-00037-US from which the undersigned is authorized to draw.

Dated: September 14, 2005

Respectfully submitted,

By 
Ashley I. Pezzner

Registration No.: 35,646

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Translation

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference C02030WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/EPBA/416)	
International application No. PCT/EP2003/009199	International filing date (day/month/year) 20 August 2003 (20.08.2003)	Priority date (day/month/year) 06 September 2002 (06.09.2002)
International Patent Classification (IPC) or national classification and IPC C05G 61/00, C09K 11/06		
Applicant COVION ORGANIC SEMICONDUCTORS GMBH		

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>1</u> sheets.</p>	
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>	

Date of submission of the demand 18 March 2004 (18.03.2004)	Date of completion of this report 23 August 2004 (23.08.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

Form PCT/EPBA/409 (cover sheet) (July 1998)

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP2003/009199

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
 pages 1-22, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☒ the claims:
 pages 1-6, 8-18, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages 7, filed with the letter of 04 August 2004 (04.08.2004)
- ☐ the drawings:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig. _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

 International application No.
 PCT/EP 03/09199

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-18	YES
	Claims		NO
Inventive step (IS)	Claims	1-18	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-18	YES
	Claims		NO

2. Citations and explanations

1. PCT Article 33(2):

The present application claims a method for the C-C coupling of aromatic and heteroaromatic halogen compounds (claim 1), the production of the catalyst system (claim 8) and the polymers produced with the catalyst (claim 18).

D1 does not disclose the use of two different ligands in the method for C-C coupling. D2 likewise uses only one ligand - triphenylphosphine. D3 uses the complex in stoichiometric amounts and without reducing agents.

Consequently, the subject matter of claims 1-18 is novel.

2. PCT Article 33(3):

D1 is considered to be the closest prior art, because that method for C-C coupling includes all the technical features except one. The difference between the present application and D1 is the use of a different ligand system. The objective technical problem is therefore that of providing alternative methods for the C-C coupling of aromatic and heteroaromatic halogen compounds. Since the cited

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/09199

literature contains no hints that the special ligand system allows the coupling in high yields and the products obtained have a very low metal content, the subject matter of claims 1 -18 involves an inventive step.

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